

## SEQUENCE LISTING

5 <110> Syngenta Ltd

10 <120> Methods for screening insecticides

15 <130> PPD 50397/WO

20 <160> 21

25 <210> 1  
<170> PatentIn version 3.1

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85 90 95

5 Ser Pro Pro Ile Ser Pro His Asp Ala Ala Val Asp Leu Gln Tyr His  
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10 Ser Pro Gly Val Gly Glu Gln Pro Ser Thr Ser Ser His Pro Leu  
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15 Pro Tyr Ile Ala Asn Ser Pro Asp Phe Asp Leu Lys Thr Phe Met Gln  
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20 Thr Asn Tyr Asn Asp Glu Pro Ser Leu Asp Ser Asp Phe Ser Ile Asn  
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30 Phe Asn Ser Ile Gln Gln Ala Ala Ser Arg Val Lys Glu Glu Met Ser  
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195 200 205

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25 Ser Val Glu Thr Asp Met Pro Leu Thr Leu Arg Gln His Arg Ile Ser  
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35 40 45

10 Ser Ser Ser Asn Leu Asp His Tyr Ser Gly Ser Gln Asp Ser Gln Ser  
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15 Cys Gly Ser Ala Asp Ser Gly Ala Asn Gly Cys Ser Gly Arg Gln Ala  
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20 Ser Ser Pro Gly Thr Gln Val Asn Pro Leu Gln Met Thr Ala Glu Lys  
85 90 95

25 Ile Val Asp Gln Ile Val Ser Asp Pro Asp Arg Ala Ser Gln Ala Ile  
100 105 110

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30 Val Ile Ser Ser Gln Lys Asp Ala Leu Arg Leu Val Ser His Leu Ile  
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195 200 205

50 Ile Met Asn Lys Phe Met Asn Thr Pro Ala Glu Ala Leu Arg Ile Leu  
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15 Tyr Ile Ala Asn Ser Pro Asp Phe Asp Leu Lys Thr Phe Met Gln Thr  
305 310 315 320

Asn Tyr Asn Asp Glu Pro Ser Leu Asp Ser Asp Phe Ser Ile Asn Ser  
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355 360 365

30 Gly Thr Gln Ser Thr Tyr Gly Gly Cys Asn Ser Ala Ala Asn Asn Ser  
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35 Gln Pro His Leu Gln Gln Pro Ile Cys Ala Pro Ser Thr Gln Gln Leu  
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45 Leu Ala Ser Glu Ala Leu Tyr Asp Pro Val Asp Glu Asp Leu Ser Ala  
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50 Pro Lys Leu Leu Gln Leu Ile Asn Leu Thr Ala Val Ala Ile Lys Arg  
450 455 460

55 Leu Ile Lys Met Ala Lys Lys Ile Thr Ala Phe Arg Asp Met Cys Gln  
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60 Glu Asp Gln Val Ala Leu Leu Lys Gly Gly Cys Thr Glu Met Met Ile  
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Pro His Thr Lys Glu Asn Met Gly Asn Ile Arg Thr Asp Leu Leu Lys  
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Phe Ala Glu Gly Asn Ile Tyr Glu Glu His Gln Lys Phe Ile Thr Thr  
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Phe Asp Glu Lys Trp Arg Met Asp Glu Asn Ile Ile Leu Ile Met Cys  
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565 570 575

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Val Ile Arg Leu Glu Gln Asn Ser Tyr Tyr Tyr Leu Leu Arg Arg Tyr  
580 585 590

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595 600 605

Leu Ile Gln Lys Ile Ser Asp Val Glu Arg Leu Asn Lys Phe Ile Ile  
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25 Trp Asp Pro Ser Phe Glu Lys Met Thr Val Cys Asp Gly Ile Leu Lys  
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30 Gly Asp Val Thr Ala Phe Leu Met Leu Gln Gly Gly Asn Tyr Arg  
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Pro Asn His Val Val Glu His Arg Ile Ala Arg Thr Asp Leu Asp Lys  
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20            Gly Ser Lys Thr Phe Ile Lys Tyr Val Ser Gly Ile Pro Asp Tyr Phe  
                          65                                    70                                    75                                    80

25            Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Thr Tyr  
                          85                                    90                                    95

30            Glu Asp Gly Gly Phe Leu Thr Ala His Gln Asp Thr Ser Leu Asp Gly  
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35            Asp Cys Leu Val Tyr Lys Val Lys Ile Leu Gly Asn Asn Phe Pro Ala  
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40            Asp Gly Pro Val Met Gln Asn Lys Ala Gly Arg Trp Glu Pro Ala Thr  
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45            Glu Ile Val Tyr Glu Val Asp Gly Val Leu Arg Gly Gln Ser Leu Met  
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50            Ala Leu Lys Cys Pro Gly Gly Arg His Leu Thr Cys His Leu His Thr  
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55            Thr Tyr Arg Ser Lys Lys Pro Ala Ser Ala Leu Lys Met Pro Gly Phe  
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60            His Phe Glu Asp His Arg Ile Glu Ile Met Glu Glu Val Glu Lys Gly  
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65            Lys Cys Tyr Lys Gln Tyr Glu Ala Ala Val Gly Arg Tyr Cys Asp Ala  
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50 Phe Leu Phe Glu Asp Gly Ala Val Cys Ile Cys Asn Ala Asp Ile Thr  
100 105 110

55 Val Ser Val Glu Glu Asn Cys Met Tyr His Glu Ser Lys Phe Tyr Gly  
115 120 125

60 Val Asn Phe Pro Ala Asp Gly Pro Val Met Lys Lys Met Thr Asp Asn  
130 135 140

55 Trp Glu Pro Ser Cys Glu Lys Ile Ile Pro Val Pro Lys Gln Gly Ile  
145 150 155 160

60 Leu Lys Gly Asp Val Ser Met Tyr Leu Leu Lys Asp Gly Gly Arg  
165 170 175

Leu Arg Cys Gln Phe Asp Thr Val Tyr Lys Ala Lys Ser Val Pro Arg  
180 185 190

5 Lys Met Pro Asp Trp His Phe Ile Gln His Lys Leu Thr Arg Glu Asp  
195 200 205

10 Arg Ser Asp Ala Lys Asn Gln Lys Trp His Leu Thr Glu His Ala Ile  
210 215 220

15 Ala Ser Gly Ser Ala Leu Pro  
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<222> (1) .. (7)

5 <223> N at each of positions 1, 4 and 7 represents independently any one of A, C, T or G.

10 <400> 21

ncknarnarr tartartarc trttytgytc

30